

CLAIMS

What is claimed is:

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1. A golf club head comprising:
a hosel located at a heel end to accommodate a shaft, and
a metal blade comprising a striking face, a sole, and a rear face, the striking face
and the sole meeting at a knife-like leading edge, the sole having a protrusion running
substantially parallel to the leading edge and located at the juncture of the sole and the
rear face, the rear face meeting the striking face at a trailing edge.

2. The golf club head of claim 1, further including at least one metal dowel
disposed in the metal blade and located substantially forward of and substantially parallel
to an apex of the protrusion of the sole.

3. The golf club head of claim 1, further including a leading metal dowel and a
trailing metal dowel disposed in the metal blade and located substantially on each side
of an apex of the protrusion of the sole, the leading metal dowel disposed between the
protrusion of the sole and the leading edge and the trailing metal dowel disposed between
the protrusion of the sole and the trailing edge.

4. The golf club head of claim 3, wherein the leading metal dowel is cylindrical
and smaller in diameter than the trailing metal dowel, the trailing metal dowel also being
cylindrical.

5. The golf club head of claim 4, wherein the leading metal dowel has a diameter
of 0.25 inch or less, and the trailing metal dowel has a diameter between 0.375 inch and
0.4375 inch.

1 6. The golf club head of claim 2, wherein the metal dowel is disposed between
2 approximately 0.25 inch from an edge of the metal blade connected to the hosel of the
3 golf club head and 0.25 inch from the center of a toe edge of the golf club head opposite
4 the hosel of the golf club head.

1 7. The golf club head of claim 2, wherein the metal dowel is made of a metal
2 having a density greater than the density of the metal from which the metal blade is
3 formed.

1 8. The golf club head of claim 7, wherein the metal dowel is made of lead.

1 9. The golf club head of claim 7, wherein the metal dowel is made of tungsten.

1 10. The golf club head of claim 7, wherein the metal dowel is made of steel.

1 11. The golf club head of claim 1, wherein the angle between the striking face
2 and a vertical plane in which the hosel of the golf club head is positioned in when it is
3 in a substantially upright address position is between 45° and 60°, where the vertical
4 plane is perpendicular to the ground level horizontal plane and parallel to the leading
5 edge of the club head.

1 12. The golf club head of claim 1, wherein the angle between the striking face
2 and the sole is between 20° and 30°.

1 13. The golf club head of claim 1, wherein the knife-like leading edge is straight.

1 14. The golf club head of claim 1, wherein the knife-like leading edge is serrated.

1 15. The golf club head of claim 14, wherein the distance between a pair of
2 adjacent troughs of the knife-like leading edge is between 0.1875 inch and 0.250 inch.

1 16. The golf club head of claim 1, wherein the thickness of the metal blade

1 between the striking face and a planar portion of the rear face positioned substantially
2 parallel to the striking face is between 0.8125 inch and 0.875 inch.

1 17. The golf club head of claim 1, wherein a distance from the leading edge to
2 the trailing edge of the golf club head at a point where a set of grooves ends toward the
3 toe end of the club head is between 2.375 inches and 2.5 inches.

1 18. The golf club head of claim 1, wherein the angle at the point of the leading
2 edge between ground level and the downward most point of the rounded protrusion of
3 the sole is approximately 10° when the hosel of the golf club head is in a substantially
4 upright address position in a vertical plane that is perpendicular to the ground level
5 horizontal plane and parallel to the leading edge of the golf club head.

1 19. The golf club head of claim 1, further including a shaft attached to the hosel
2 and having a handle positioned at an end opposite the hosel.

1 20. The golf club head of claim 1, wherein the striking face is abrasive.